Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	An additional rate of Rs.4.00/sqm per floor may be added for every additional floor							4.00	
	sub total							4726.00	
	Area weightage 8%							378.08	
	Total						**9.45**	**5104.1**	**48233.56**
	Head room								
	D1	Sqm	1	0.9		2.1	1.89		
	Basic rate							4722.00	
	An additional rate of Rs.4.00/sqm per floor may be added for every additional floor							12.00	
	sub total							4734.00	
	Area weightage 8%							378.72	
	Total						**1.89**	**5112.7**	**9663.04**
37	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.62, I.No.9.94								
	First Floor								
	D2	Sqm	5	0.75		2.100	7.88		
	Basic rate							3800.00	
	An additional rate of Rs.4.00/sqm per floor may be added for every additional floor							4.00	
	sub total							3804.00	
	Area weightage 8%							304.32	
	Total						**7.88**	**4108.3**	**32373.56**
38	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	First Floor	Sqm							
	D1	Sqm	3	6	0.075		1.35		
		Sqm	6	6		0.1	3.6		
	D	Sqm	1	7.8	0.1		0.78		
			2	7.8		0.127	1.9812		
	Head Room	Sqm							
	D1	Sqm	1	6	0.075		0.45		
		Sqm	2	6.00		0.1	1.2		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**9.36**	**104.76**	**980.68**
39	Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with exposed grid. The tiles should have Humidity Resistance(RH) of 99%, Light Reflectance 87%, Thermal conductivity k=0.052-0.057w/m K,NRC-0.7, colour white, Fire Performance UK A2 S1, do with antimicrobial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with clean room clss of ISO 5(class 100), Decontamination class of CP10 and Bactoriological cleanlines class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all t sections i.e. the main runner, 1200mm & 600mm cross tees with web height f 38mm and a load carrying sections should have a galvanizing of 90grmas per sqm and need to be installed with suspension system of approved make.Pg No. 325,Item No.39.12.1								
	First Floor Roof Slab	Sqm	1	40	23.9		956		
	Deduction								
	Staircase	Sqm	-1	6.6	3.7		-24.42		
	basic rate							2484	
	Area weightage 8%							198.72	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**931.58**	**2682.72**	**2499168.30**
40	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete.(page no 39 item no 7.19)								
	Ground Floor								
	Northenside	Sqm	1.00	25.90		4.95	128.21		
	provide 70% aluminium Cladding						**89.74**		
	Basic rate							4400	
	Area weightage 8%							352	
	Total						**89.74**	**4752.00**	**426461.11**
	First Floor								
	Northenside	Sqm	1.00	23.90		4.95	118.31		
	Easternside	Sqm	1.00	40.00		4.95	198.00		
					Total		**316.31**		
	provide 70% aluminium Cladding						**221.41**		
	Basic rate							4400	
	An additional rate of Rs.6.00/sqm per floor may be added for every additional floor							6.00	
	sub total							4406.00	
	Area weightage 8%							352.48	
	Total						**221.41**	**4758.48**	**1053591.71**
	Second Floor								
	Northenside	Sqm	1.00	23.90		4.50	107.55		
	Easternside	Sqm	1.00	36.20		9.00	325.80		
		Sqm	1.00	3.80		4.50	17.10		
					Total		**450.45**		
	provide 70% aluminium Cladding						**315.32**		
	Basic rate							4400	
	An additional rate of Rs.6.00/sqm per floor may be added for every additional floor							12.00	
	sub total							4412.00	
	Area weightage 8%							352.96	
	Total						**315.32**	**4764.96**	**1502463.36**
41	Providing, fabricating and fixing of stick type structural glazing using Alluminium Extrusions of 63.5 mm x 58.00 mmx 2.25 mm of 1.73 kgs/ mtr for vertical and Horizontal members and 63.5 mm x 38.1 x 1.33 mm of 0.759 kg/Mtr, as outer frame with Electro Anodized Paint coated block finishing, using 6mm thick imported glass reflective hard coatedocean blue raw glass with all necessary accesories like ultra glass Silicon sealant of Space tape, Masking tape, Galvanized Anchaor bolt, machine screws, 6mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete.								
	Ground Floor								
	Northenside	Sqm	1.00	25.90		4.95	128.21		
	provide 30% structural glazing						**38.46**		
	Basic rate							6653	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%							532.24	
	Total						**38.46**	**7185.24**	**276355.11**
	First Floor								
	Northenside	Sqm	1.00	23.90		4.95	118.31		
	Easternside	Sqm	1.00	40.00		4.95	198.00		
					Total		**316.31**		
	provide 30% structural glazing						**94.89**		
	Basic rate							6653	
	An additional rate of Rs.6.00/sqm per floor may be added for every additional floor							6.00	
	sub total							6659.00	
	Area weightage 8%							532.72	
	Total						**94.89**	**7191.72**	**682433.10**
	Second Floor								
	Northenside	Sqm	1.00	23.90		4.50	107.55		
	Easternside	Sqm	1.00	36.20		9.00	325.80		
		Sqm	1.00	3.80		4.50	17.10		
					Total		**450.45**		
	provide 30% structural glazing						**135.14**		
	Basic rate							6653	
	An additional rate of Rs.6.00/sqm per floor may be added for every additional floor							12.00	
	sub total							6665.00	
	Area weightage 8%							533.2	
	Total						**135.14**	**7198.20**	**972728.76**
	Sump								
42	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	1	4.7	1.7	1.90	15.18		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**15.18**	**484.92**	**7361.57**
43	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	1	4.70	1.70	0.10	0.80		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**0.80**	**5510.16**	**4402.62**
44	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Cum	1	12.8		0.15	1.92		
	Sump walls	Cum	4	4.7		1.8	33.84		
		Cum	4	1.4		1.8	10.08		
	Basic rate							258.00	
	Area weightage 8%							20.64	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**45.84**	**278.64**	**12772.86**
45	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						**4.00**	**298.08**	**1192.32**
46	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	EARTH	Cum	From Item No.1				15.18		
	item no.17.1 KSRRB	Cum						57	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M	t.km	For surface roads exluding loading & unloading					2	
	Average Weight of earth (1.28 Tonne/cum.) .)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**15.18**	**67.09**	**1018.49**
47	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	For sump								
	Bottom slab	Sqm	1	4.7	1.7		7.99		
	Sump walls	Sqm	2	4.7		1.8	16.92		
		Sqm	2	1.4		1.8	5.04		
	Cover slab	Sqm	1	4.7	1.7		7.99		
	Basic rate							526.00	
	Area weightage 8%							42.08	
	Total						**37.94**	**568.08**	**21552.96**

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
52	pg 9	item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	No	8	132.00	1056
53	pg 9	item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	8	150.00	1200
54	pg 15	item 3.3	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
	a	3.3.4	16Amps Combined switch and socket with indication	No	12	194.00	2328
	b	3.3.5	Electronic stepped regulator.	No	30	150.00	4500
55			Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments				
a	Pg 6	Item 2.3.2	1.5sqmm	Rm	1000	20.05	20050
b	Pg 6	Item 2.3.3	2.5sqmm	Rm	2600	32.00	83200
c	pg 6	item 2.3.4	4sqmm	Rm	600	45.00	27000
56	Pg 3	Item 1.12	Supplying and fixing Metal Fan Box with Round Hook	Each	30	85.00	2550
			PART D : LIGHT FIXTURES				
57	pg 64	**item 12.3.2**	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. **LED light fighting 1 x4'- 20/22 w**	Each	24	375.00	9000
58	pg 64	**item 12.2**	Supplying & fixing retrofit type -PL- LED Lamp .....W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.**8-9 Watts**				
		item 12.2.1	8-9 Watts	Each	12	350.00	4200
		item 12.2.2	18-20 Watts	Each	8	425.00	3400

Internal Electrical Works

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			WIRES & CABLES				
			PART A : INTERNAL WIRING SYSTEM				
48			Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
a	Pg 5	Item 2.1.1	*Short point upto 3m*	*Point*	*30*	*200.00*	*6000*
b	Pg 5	Item 2.1.2	Medium point above 3m - 6m	Point	30	275.00	8250
49	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
a	Pg 2	Item 1.2.1	19/20mm dia, 2mm thick	Rm	290	40.00	11600
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Rm	750	53.00	39750
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Rm	220	83.00	18260
50	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	75	51.00	3825
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	310	54.00	16740
c	Pg 2	Item 1.3.3	32mm dia, 2mm thick	Rm	250	81.00	20250
51	pg 9	item 3.4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	18	95.00	1710
b	Pg 9	item 3.4.2	4 - 5 Way	Each	24	105.00	2520

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
59	Page 65	Item 12.5.3	Supply of round/square recess/surface mounted rolling type LED Down light with .....W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition **LED square or round down light 15-18W**	Each	56	1150.00	64400
60	Page 67	Item 12.9.2	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. **LED Floodlight 100W**	Each	14	7500.00	105000
61	pg 46	item 7.3.1	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. **48" sweep (1200mm)**	Each	28	2090.00	58520
62	pg 46	item 7.1	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.	Each	10	1200.00	12000

PLUMBING WORKS							
Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
WATER SUPPLY WORK							
63	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 2000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	13656	1,092.48	14,748.48	3	44245.44
64	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work						
a	20mm nominal OD pipes	m	235	18.80	253.80	54.9	13933.62
b	25mm nominal OD pipes	m	293	23.44	316.44	49.9	15790.356
65	Providing and fixing in position chromium plated brass shower rose with 15 or 20mm inlet 150mm dia including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.16 / 13.3	Each	750	60.00	810.00	2	1620
						Sub TOTAL:	24516645.01
						GST Charges (12% of estimated cost)	2941997.401
						Total	27458642.41

66	Providing, fixing, testing and commissioning of LED under water lights ABS body, with adaptor/Driver 20 W 12V single colour(White) at the swimming pool. Suitable cabling and conduit to be laid and fixed to and from panel board with all safety device complete in all respect. Inclusive of All Taxes and Transportation Charges (Data Rate)	No	12980.00		12,980.00	34.00	441320.00
67						Grand Total	27899962.41
68						Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	300000.0
69						Project management Consultancy Charges(1% of estimated cost)	300000.0
70						Tender Premium (5% of Estimated Cost)	1500000.0
71						Miscellaneous and rounding off	37.59
						TOTAL	30000000.00
						RUPEES THREE CRORES ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20SE-RDED approved Rate and Issused Rates, Data Rate.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer 20/01/2020
BBMP

RUDRAPRASAD CONSULTANTS BANGALORE

Administrative Approval
Accorded For 25.300 Lakhs
Head of A/C 23583
CER NO : 29 Dt: 16/09/2020
S.E. (Project)

Technical Sanction
Accorded For RS 300.0 Lakhs only
Head of A/C 23583
CER NO : 293 Dt: 11.02.2020
TA - CE (YNK)